

In the Claims:

The following listing of claims replaces all prior claims listings.

1. (Previously presented) An RF signal divider, comprising a single-pole, N-way RF switch, where N is an integer of 3 or more, said switch being operable to connect up to N individual RF ports to a center conductor connected to a common port, and a switched reactive impedance matching network having at least N-1 switch-selectable lossless matching elements arranged to connect to said center conductor, said impedance matching network being arranged to provide selected impedance matching for said N-way RF switch according to the number of said N individual ports that are connected to said common port by said switch.

2. (Amended) An RF signal divider responsive to supplied control signals and operative to connect up to N individual ~~RE~~ RF ports to a common port, where N is an integer of 3 or more, in response to supplied control signals, said divider comprising:

a single pole, N-way ~~RE~~ RF switch for selectively connecting said N individual ports to a center conductor connected to said common port in response to switch drive signals;

a switchable reactive matching network having N-1 switch-selectable lossless matching elements operative to be connected to said center conductor of said ~~RE~~ RF switch in response to matching element drive signals; and

PATENT

a driver circuit responsive to said control signals for providing said switch drive signals and for providing said matching element drive signals accordingly to the number of said N individual ports designated to be connected by said control signals.

3. (Previously presented) An RF signal divider comprising:

a plurality of N individual ports, where N is an integer of 3 or more, each having an inner conductor contact terminal extending into an RF switch cavity;

an RF common port;

a planar inner conductor in said switch cavity, connected to said RF common port at one end and having a switch contact at a second end;

a plurality of N switch reeds each moveable by an electro-magnet between a first position contacting said planar inner conductor and a second position spaced from said inner conductor; and

a switchable reactive impedance matching network, comprising N-1 lossless impedance matching reeds moveable by an electromagnet between a first position contacting said planar conductor and a second position spaced from said planar conductor.